



FY 2007 Project Review Board

Whole Barracks Renewal Program

MDEP E3H7

DAIM-FDH

24 March 2004

Les Bergen 703-601-2512 (DSN 329)



Fort Bragg - 17 June 1998

Barracks Assessment survey out-briefing

MG “Nukem” Needham: Mr. Bergen, Have you been inside our decrepit barracks?

Bergen: Sir, not on this trip.

MG Needham: We have the worst barracks in the Army. You walk through them today before you leave. CPT H___ will escort you.

Bergen: Yes, sir.

2 hrs later

Prillaman: Les, May I tell Gen. Needham that Bragg has the worst barracks in the Army?

Bergen: No, Glen. They look about the same as the ones I walked through at Ft. Riley and Ft. Benning.

Prillaman: I can't tell Gen. Needham that. Would you agree that Bragg has the most worst barracks in the Army?

Bergen: Yes, Glen. (sigh)



Whole Barracks Renewal Program Briefing Outline

- **Show and Tell**
- **Special Issues**
 - **Bde Complex Layout**
 - **New Const. Standards**
 - **New Company Opns Facility Standard**
 - **Annual Trng/Mobilization Complexes**
- **Facts of Life - A Splash of Cold Water**
 - **Demographic Change → \$800M**



Fort Bragg

Bks Complex	Proj No.	Description	Phase	POM 06-11	
				Spaces	PA
44th Medical Bde	19181	Barracks Complex - Lane St		160	38,000
82nd DIVARTY	47349	Barracks Complex	2	304	50,000
82nd 1st Bde	58491	Barracks Complex - Butner St	5	192	24,000
82nd 2nd Bde	57316	Barracks Complex	4	128	24,000
82nd 3rd Bde	53554	Barracks Complex	2	384	50,000



1st Corps Spt Cmd & 44th Medical Cmd Complex

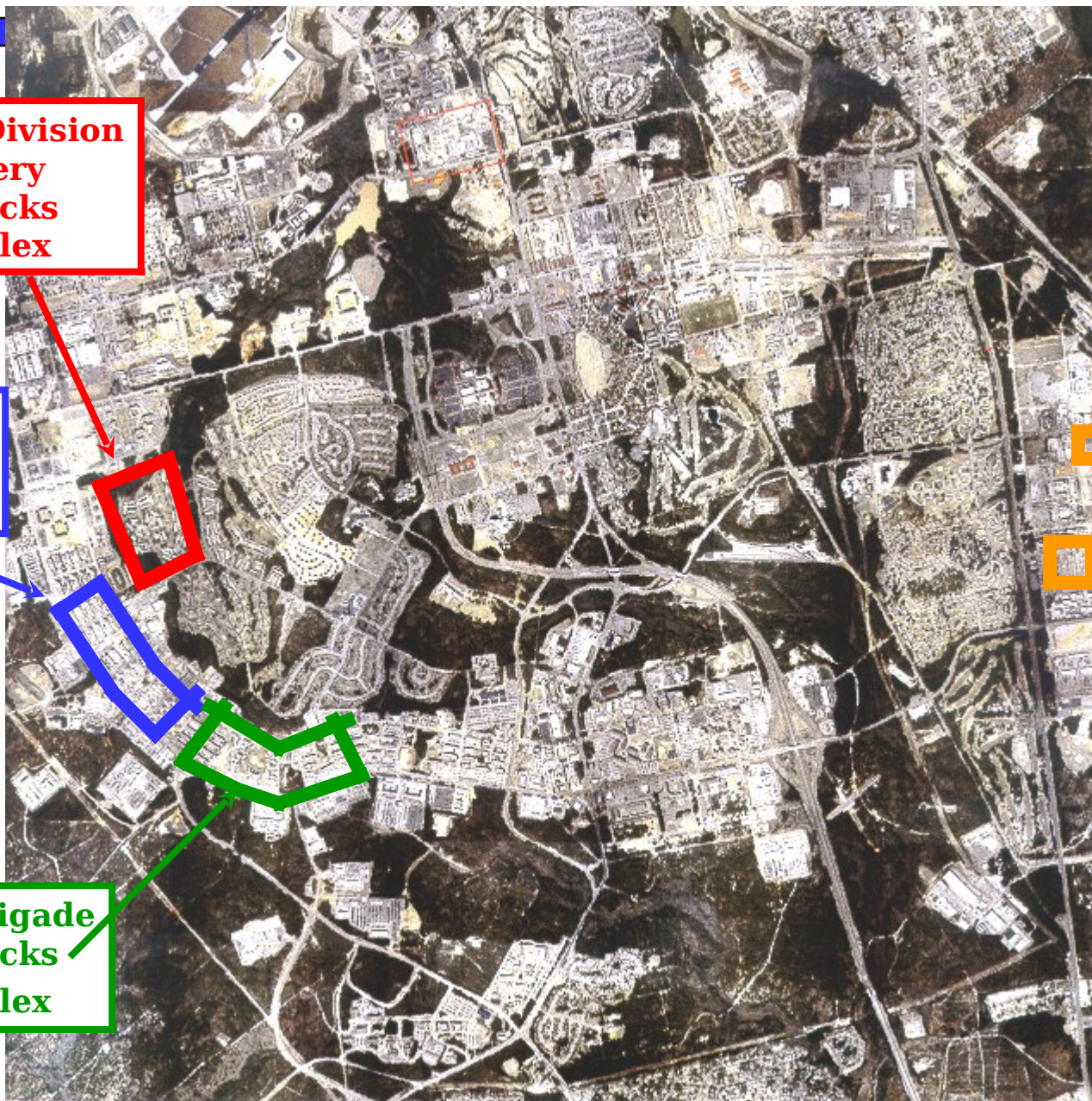


**82nd Division
Artillery
Barracks
Complex**

**2nd Brigade
Barracks
Complex**

**3rd Brigade
Barracks
Complex**

**44th
Medical
Barracks
Complex**



COSCOM HQ Bldgs

PN 44493 (05)
 - 1 GRP HQ (507th CSG)
 - 4 Large BN HQs
 -- 530th S&S
 -- 264th CSB
 -- 7th Trans
 -- 4/159th AVN

PN 44494 (06)
 - COSCOM HQ
 - 1 GRP HQ (46th CSG) (CDC)
 - 1 Large CO HQ (HHC)

COSCOM Barracks

PN 44493 (FY05)
 \$49M - 160 Spaces

PN 44494 (FY06)
 \$31M - 160 Spaces

New Dining Facility

PN 44493 (FY05)

MEDCOM Barracks
PN 19181 (FY06)
 \$ 38M- 160 Spaces

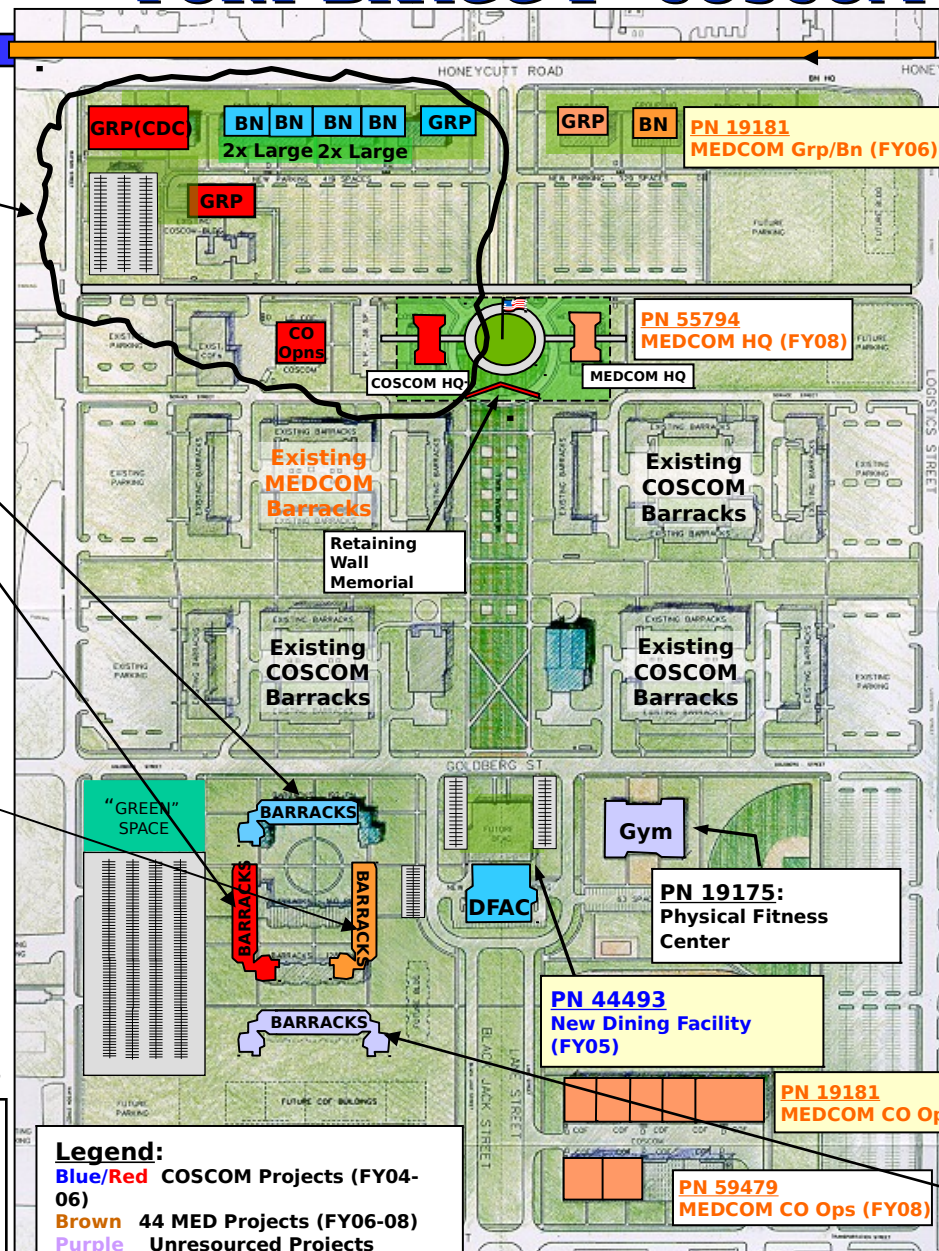
MEDCOM HQ Bldgs

PN 19181 (06)
 - 1 GRP HQ
 - 2 Large Bn HQs
 - 6 Company Ops

MEDCOM HQ Bldgs

PN 59479 (08)
 - MEDCOM HQ
 - 1 Large Bn HQs
 - 5 Company Ops

FORT BRAGG 1st COSCOM & 44th MEDCOM



WIDEN HONEYCUTT ROAD to 5/6 Lanes (LI 19181)

COSCOM/MEDCOM Master Plan (All currently un-resourced)

Revitalization (Mission)

46806 Rigging Facility 612 QM \$ 9.4M
 46808 Rigging Facility 647 QM \$ 24.0M
 46807 Rigging Facility 623 QM \$ 9.4M
 46805 Rigging Facility 600 QM \$ 10.6M

Consolidate Maintenance Facilities

20807 530th S&S BN \$ 16.0M
 20805 264th CSB \$ 8.4M
 20804 7th Trans BN \$ 6.9M
 2885 44th Medical Bde \$ 23.3M

AFS Fitness Center Buyout

19175 East Post Fitness Center \$ 9.1M

AFS Chapel Buyout

19182 COSCOM/MEDCOM \$ 9.3M

Command & Control Facilities

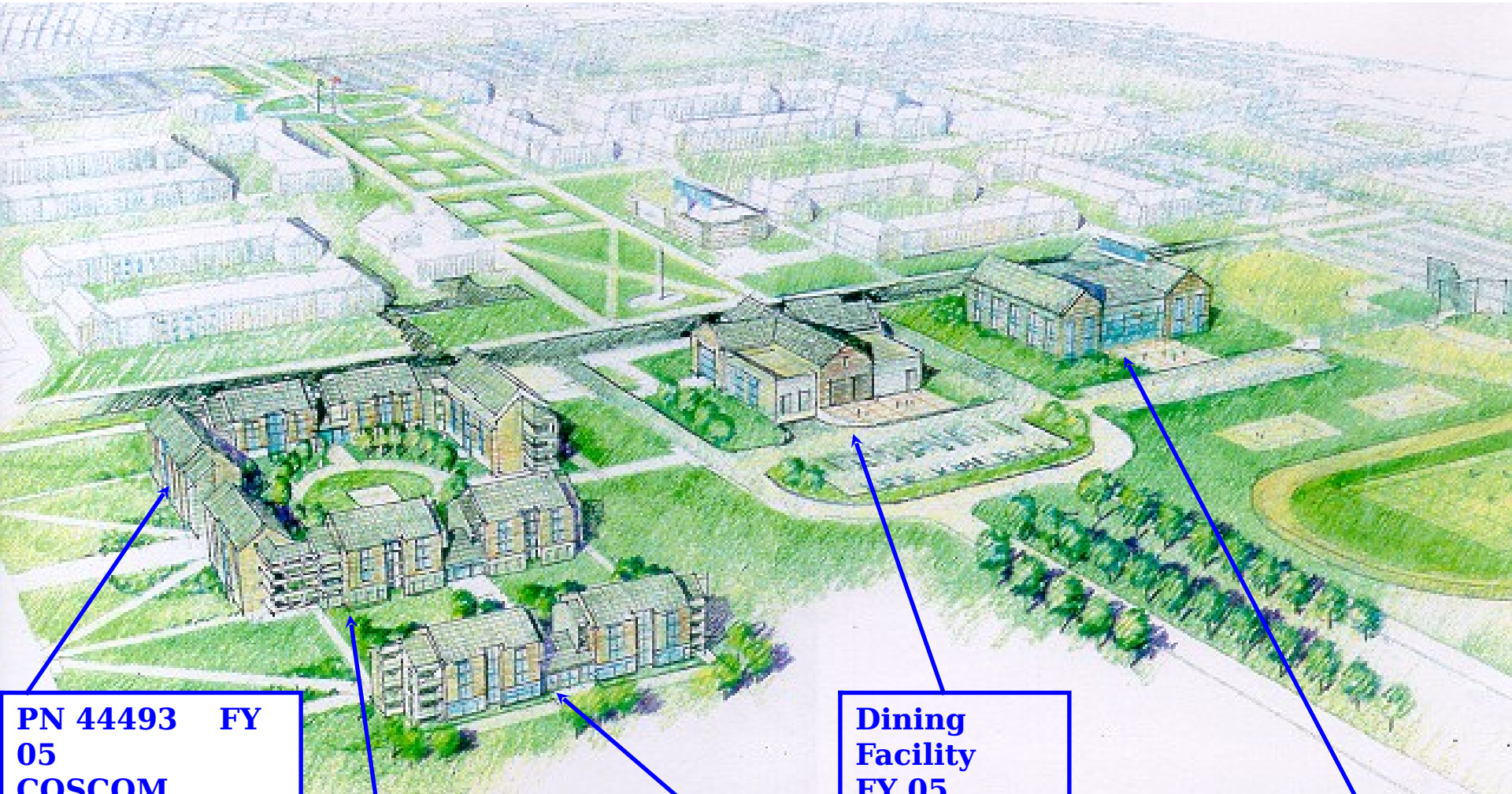
20087 HQ, Material Mgt Center \$ 13.0M

Physical Security Facilities

xxxxx Randolph Security Plaza \$ xx.x M

Legend:

Blue/Red COSCOM Projects (FY04-06)
Brown 44 MED Projects (FY06-08)
Purple Unresourced Projects



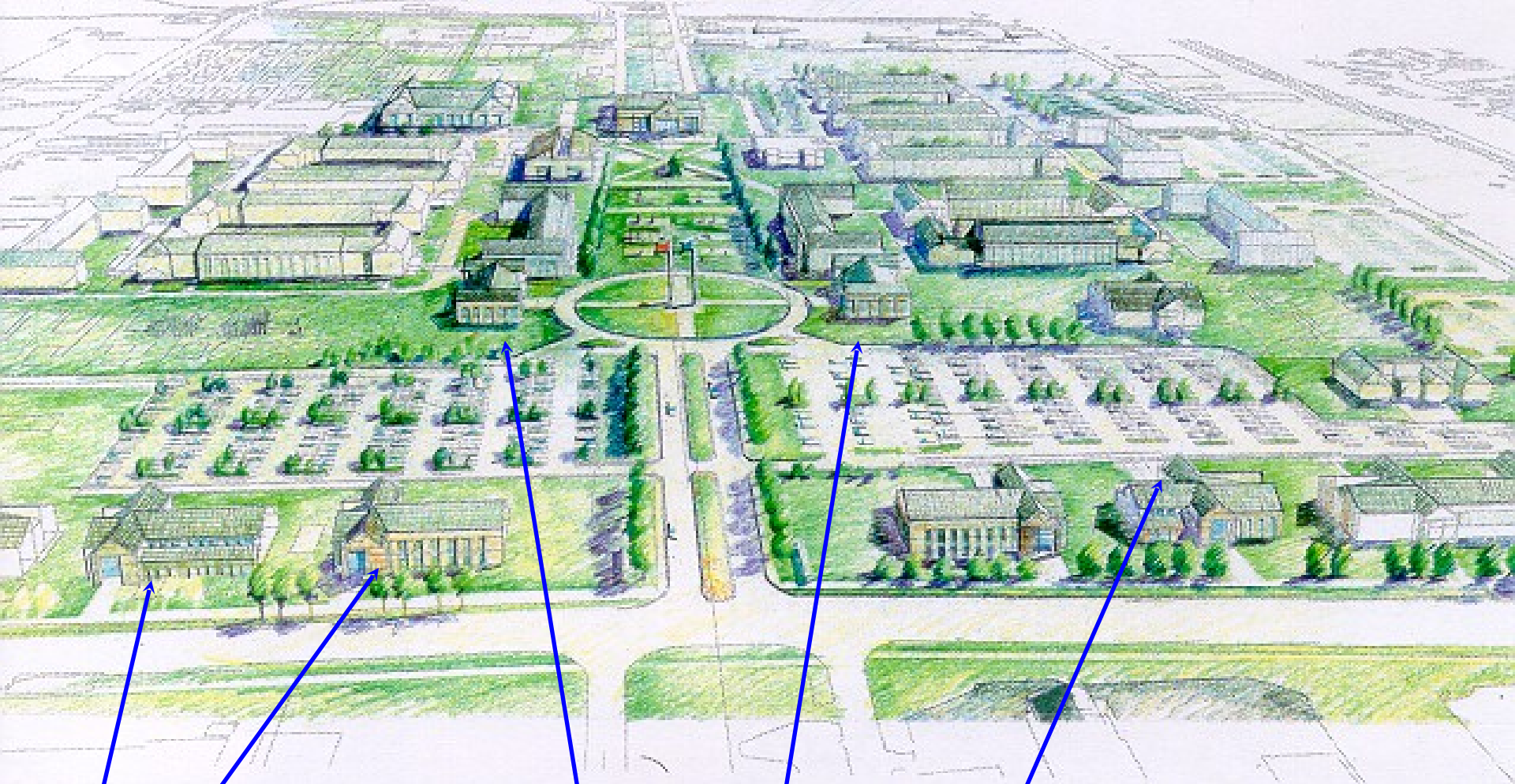
PN 44493 FY 05
COSCOM Barracks
200 Spaces
\$49M

PN 44494 FY 06
COSCOM Barracks
128 Spaces
\$31M

Dining Facility
FY 05

PN 19181 FY 07
MEDCOM Barracks
160 Spaces
\$37M

Physical Fitness Center
Long range plan



**28th Med Hospital
Group (Part of
PN 19181)**

**44th MEDCOM
HQ (FY 08)**

**1st COSCOM
HQ (FY 06)**

**Proposed COSCOM Admin To
Be**

**Constructed With Bks.
PN 44493 (FY 05):**

--1 Gp HQ --5 Bn HQs

PN 44494 (FY 06):

--COSCOM HQ --1 Gp HQ

--1 Bn HQ

--1 Large Co HQ

**261st Med Bn HQ
(Part of
PN 19181)**

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240800MA



Ft. Bragg - 82nd DIVARTY Complex

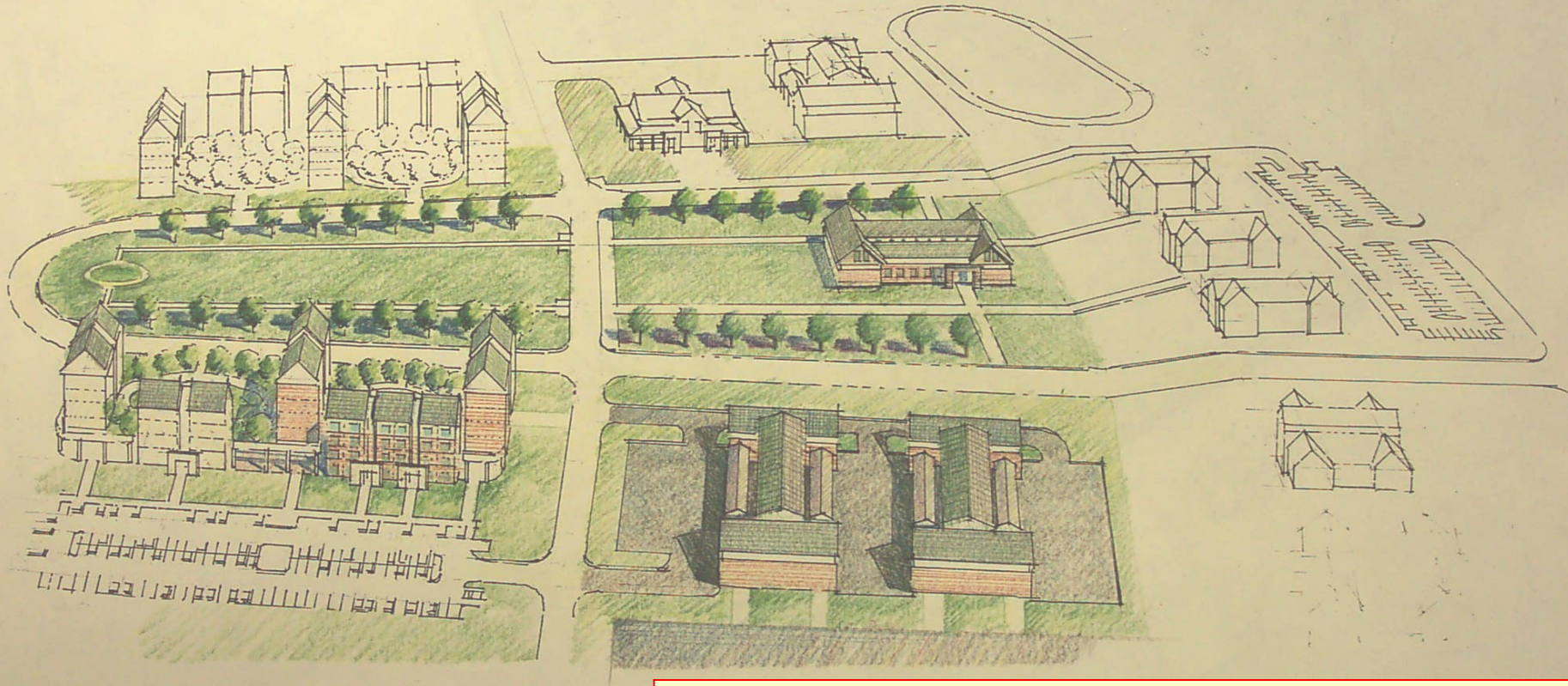
Current Site - Capehart AFH to be demolished





Fort Bragg

82nd Div Artillery Barracks Complex



FY06 PN 36195 \$50M 336 spaces

FY07 PN 47349 \$50M 304 spaces

FY08 PN 59616 \$50M 64 spaces

+ Admin

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The Past - 82nd Abn Div three Infantry Bde's
1950s Hammerhead Barracks

LES BERGEN, DAHM-FDTH-U,

24000001A



New 82nd Abn Division, 1st Brigade

Soldier Community Building in center with barracks buildings flanking

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1st Brigade, 82nd Abn Div -- Barracks completed Sep 200

LES BERGEN, DAINTY DITE,

240000MA



View from the 4th floor balcony of 1st Brigade barracks complex

Company Opns Facilities on left
Brigade HQ at end of parade ground

Les Be

OMA



Fort Drum

Bks Complex	Proj No.	Description	Phase	POM 06-11	
				Spaces	PA
10th ID 2nd Bde	14532	Barracks Complex	2	412	48,000
10th ID Div Spt Cmd	16856	Barracks Complex		16	1,700
10th Div Troops	61830	Barracks Complex		104	12,000





Fort Drum FY07 Barracks Projects

2nd Bde 10th ID
PN 14532
\$48M
412 spaces

10th ID Div
Trps
PN 61830
\$12M
104 spaces

10th ID DISCOM
PN 16856 \$1.7M
16 spaces



Fort Campbell

Complex

Proj No. Description

Ph

POM 06-11

Spaces

PA

LOSAT Bn

61810

LOSAT Bn

246

36,000

101st Sep Bns, DIVARTY

48670

DIVARTY

1

312

50,000

101st Sep Bns, DIVARTY

48671

DIVARTY+ Sig Bn(-)

2

312

50,000

101st Sep Bns, DIVARTY

58511

Sep Bn (Sig Bn COF

3

312

50,000

101st Sep Bns, DIVARTY

60155

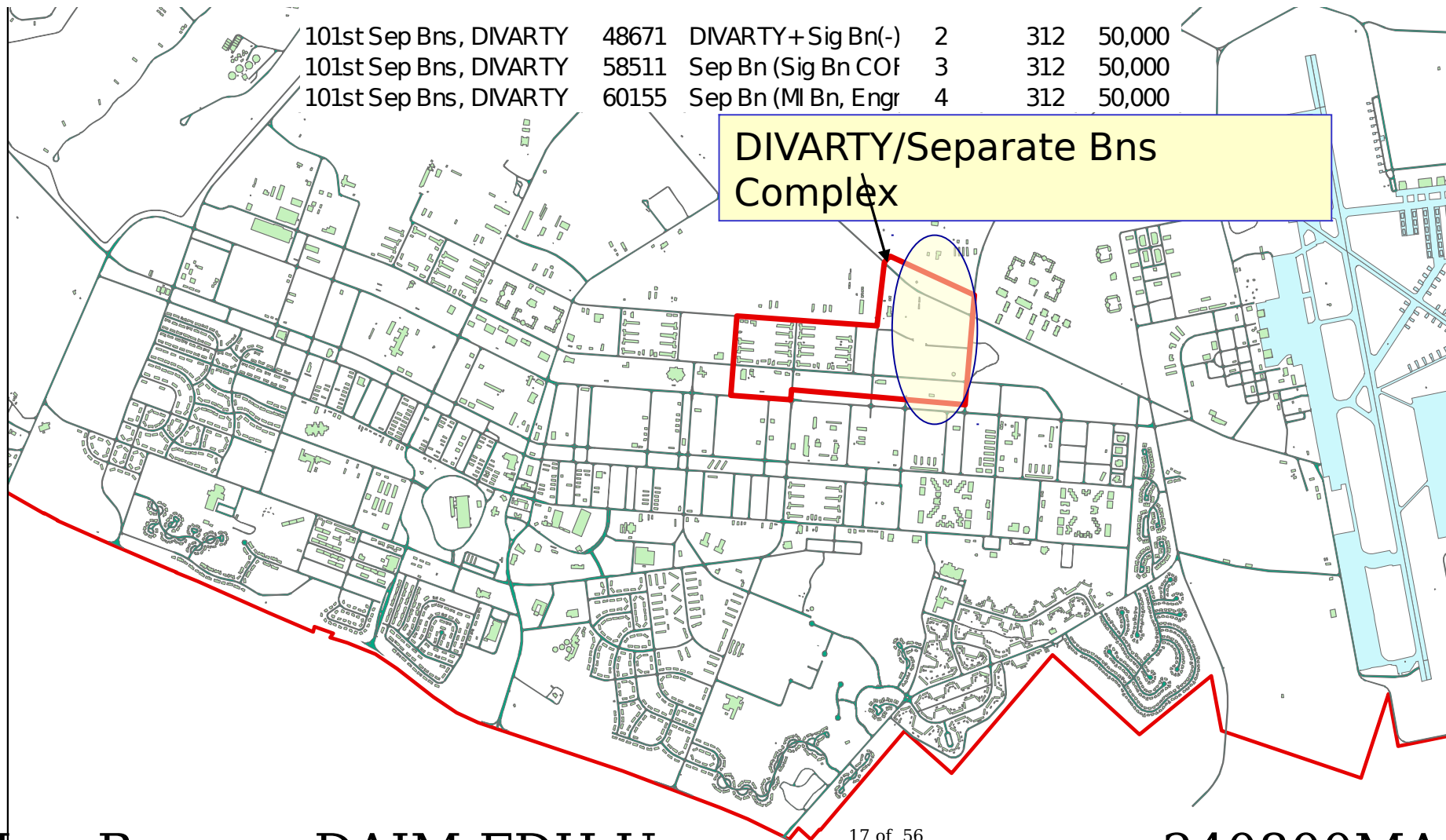
Sep Bn (MI Bn, Engr

4

312

50,000

DIVARTY/Separate Bns
Complex

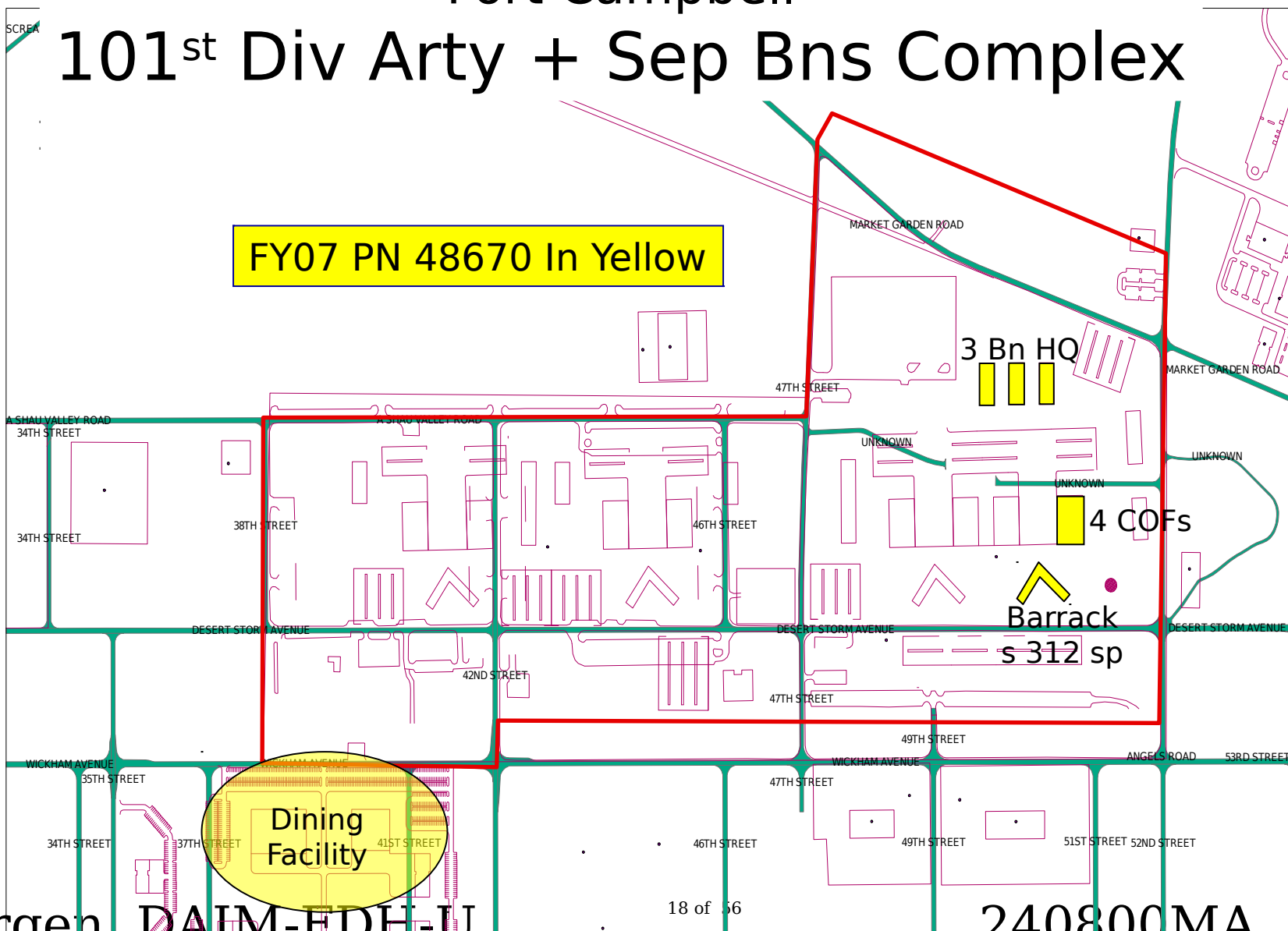




Fort Campbell

101st Div Arty + Sep Bns Complex

FY07 PN 48670 In Yellow





Fort Campbell

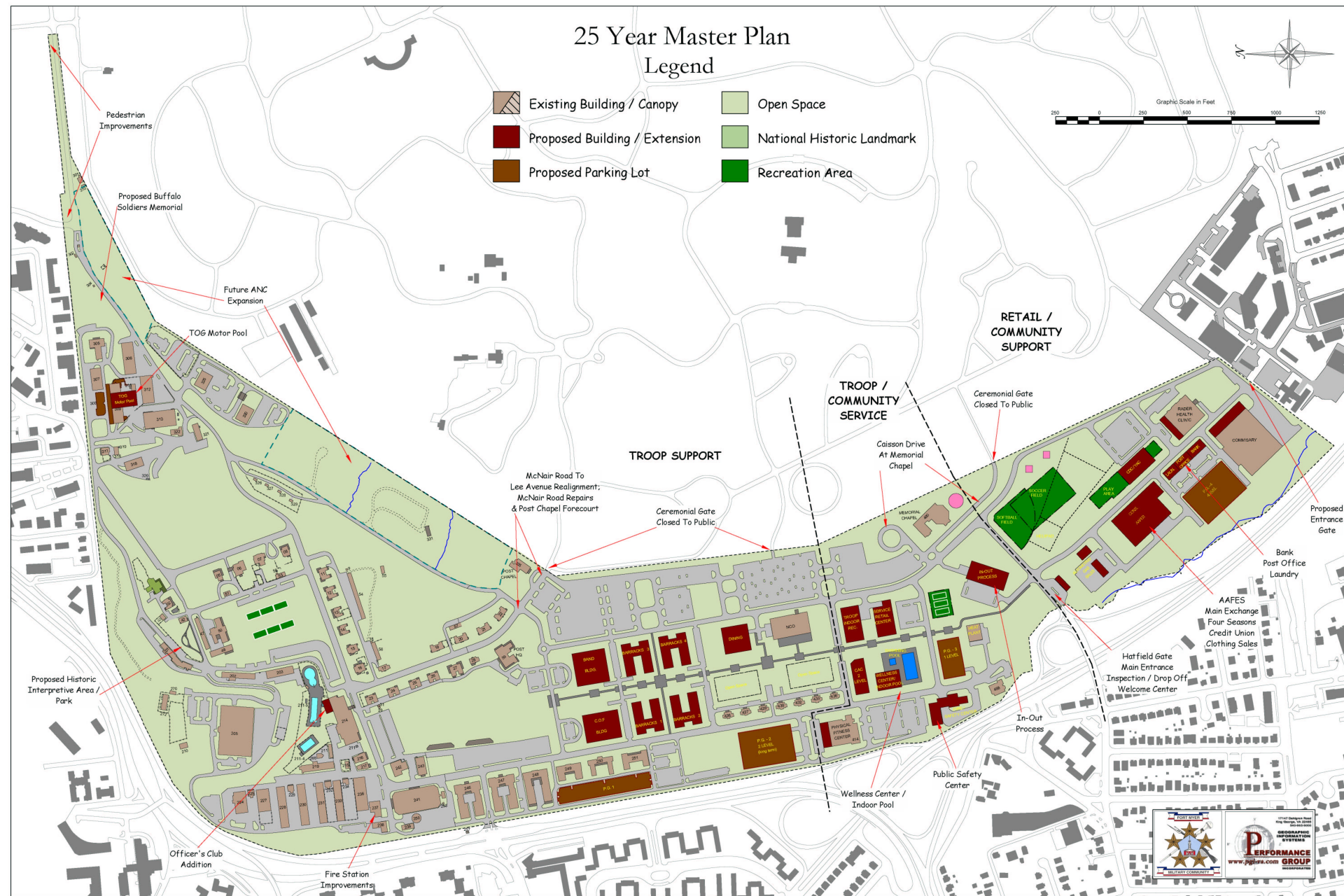
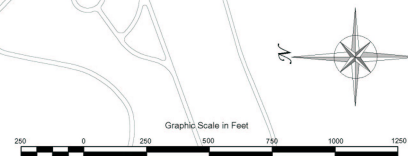




Fort Myer

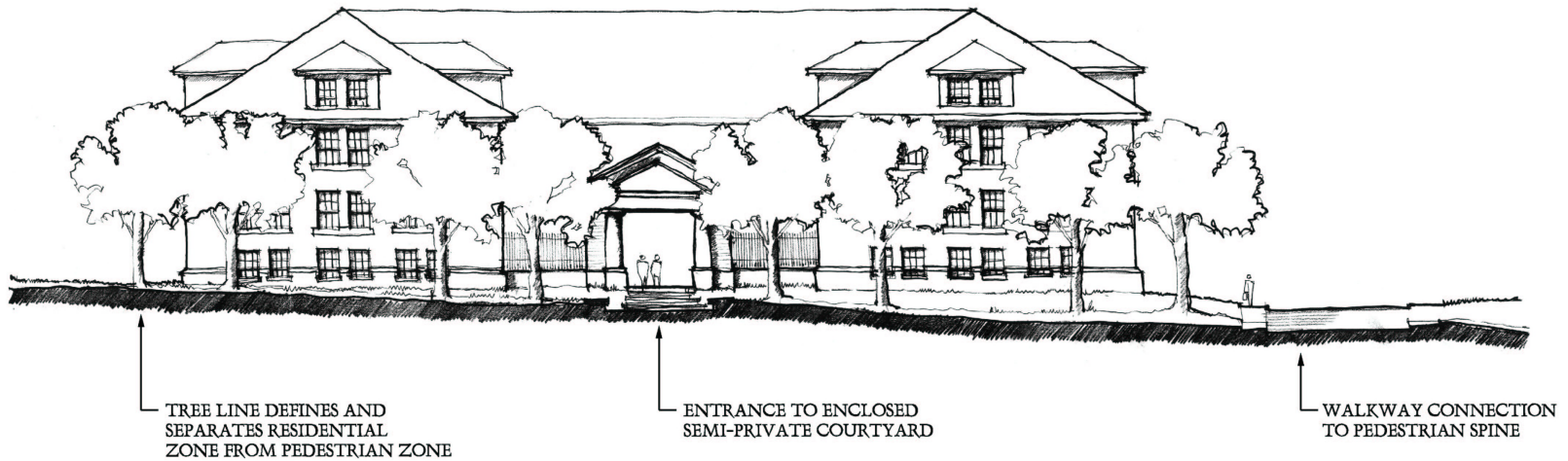
25 Year Master Plan Legend

- | | |
|---|--|
|  Existing Building / Canopy |  Open Space |
|  Proposed Building / Extension |  National Historic Landmark |
|  Proposed Parking Lot |  Recreation Area |



ARCHITECTURAL ELEMENTS REFERENCE HISTORIC BARRACKS

- SCALE, MASSING
- MATERIALS - RED BRICK MASONRY, STONE, IRONWORK
- ROOF PROFILES, CROSS GABLES



STUDY - MALL ELEVATION OF PROPOSED BARRACKS BUILDING

FORT MYER VISION PLAN

FORT MYER • ARLINGTON, VIRGINIA

STV INCORPORATED • BALTIMORE, MARYLAND

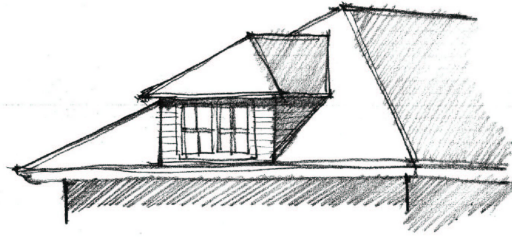
ARCHITECTURAL GUIDELINES SKETCHES

FIGURE 5-9b

5-33



ROOF PROFILES and CROSS GABLES



HIP and DORMER DETAILS



PORCHES and STOOPS

REFERENCED FORT MYER HISTORIC ARCHITECTURAL ELEMENTS



STUDY - STREET ELEVATION OF PROPOSED BARRACKS BUILDING
COMPATIBLE WITH HISTORIC ARCHITECTURE

FORT MYER VISION PLAN
FORT MYER • ARLINGTON, VIRGINIA
STV INCORPORATED • BALTIMORE, MARYLAND

ARCHITECTURAL GUIDELINES SKETCHES
FIGURE 5-9a

5-31



Fort Leonard Wood – Existing Barrack





I was very happy with the plan that Gould Evans developed for us.

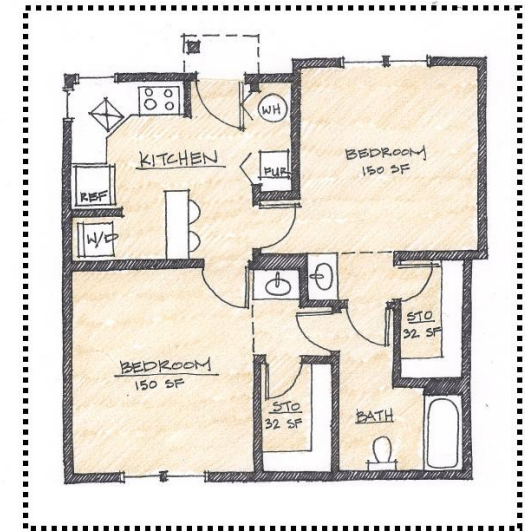
Can't wait to build these!
Master Planner

Angie Rolufs - FLW



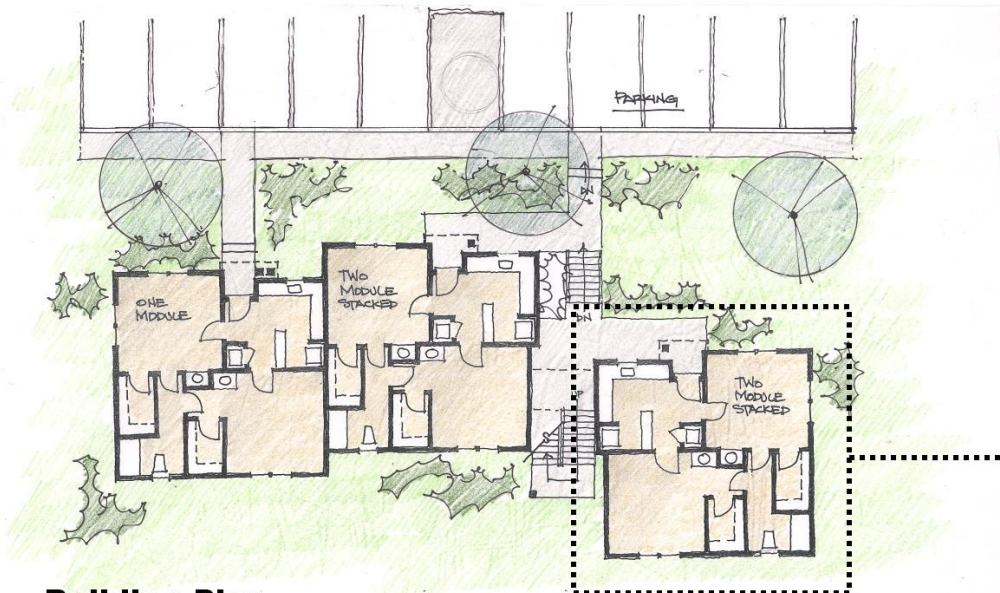
Building Elevation

Scale: 1/8"=1'-0"



Module Plan

Scale: 1/4"=1'-0"



Building Plan

Scale: 1/8"=1'-0"



Fort Leonard Wood

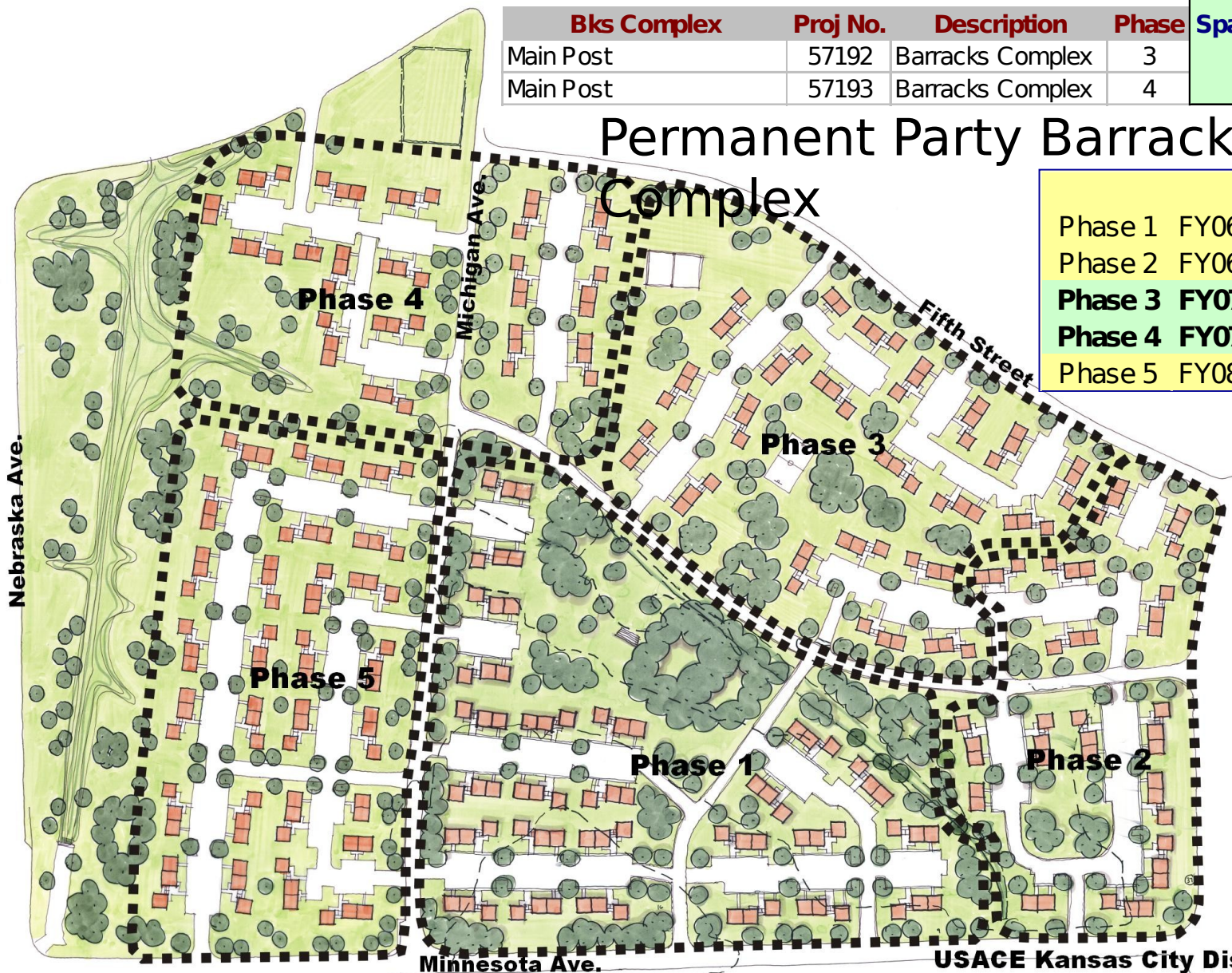
POM 06-11

Bks Complex	Proj No.	Description	Phase
Main Post	57192	Barracks Complex	3
Main Post	57193	Barracks Complex	4

Spaces	PA
188	16,000
188	16,000

Permanent Party Barracks Complex

		Spaces	\$M
Phase 1	FY06	162	\$ 14.8
Phase 2	FY06	188	\$ 16.0
Phase 3	FY07	188	\$ 16.0
Phase 4	FY07	188	\$ 16.0
Phase 5	FY08	228	\$ 19.5



USACE Kansas City District 800MA

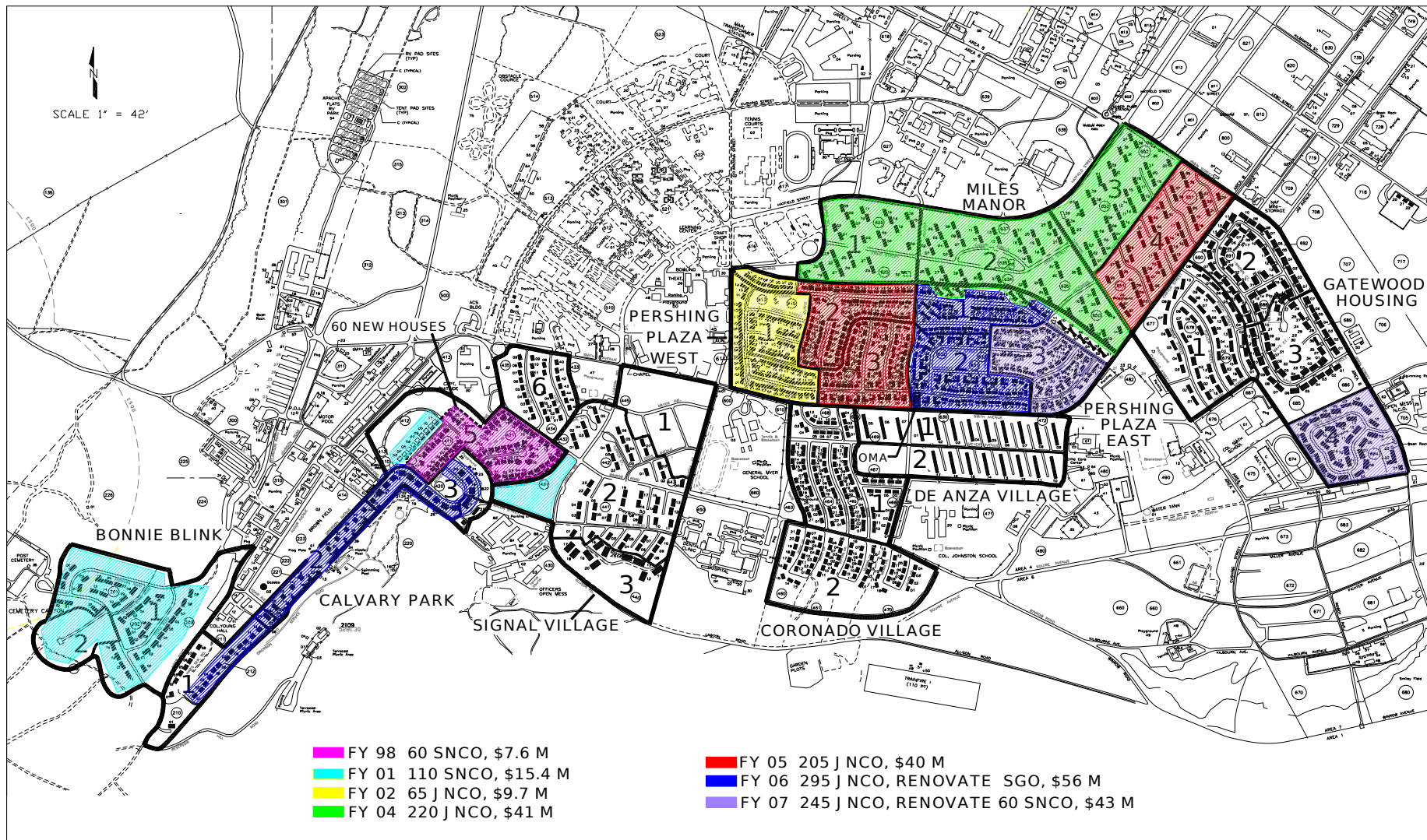


Fort Huachuca Jr. NCO Barracks





Fort Huachuca UPH Plan





Fort Irwin

Complex

Main Post

Proj No. Description

53473 Barracks Complex - Irwin South

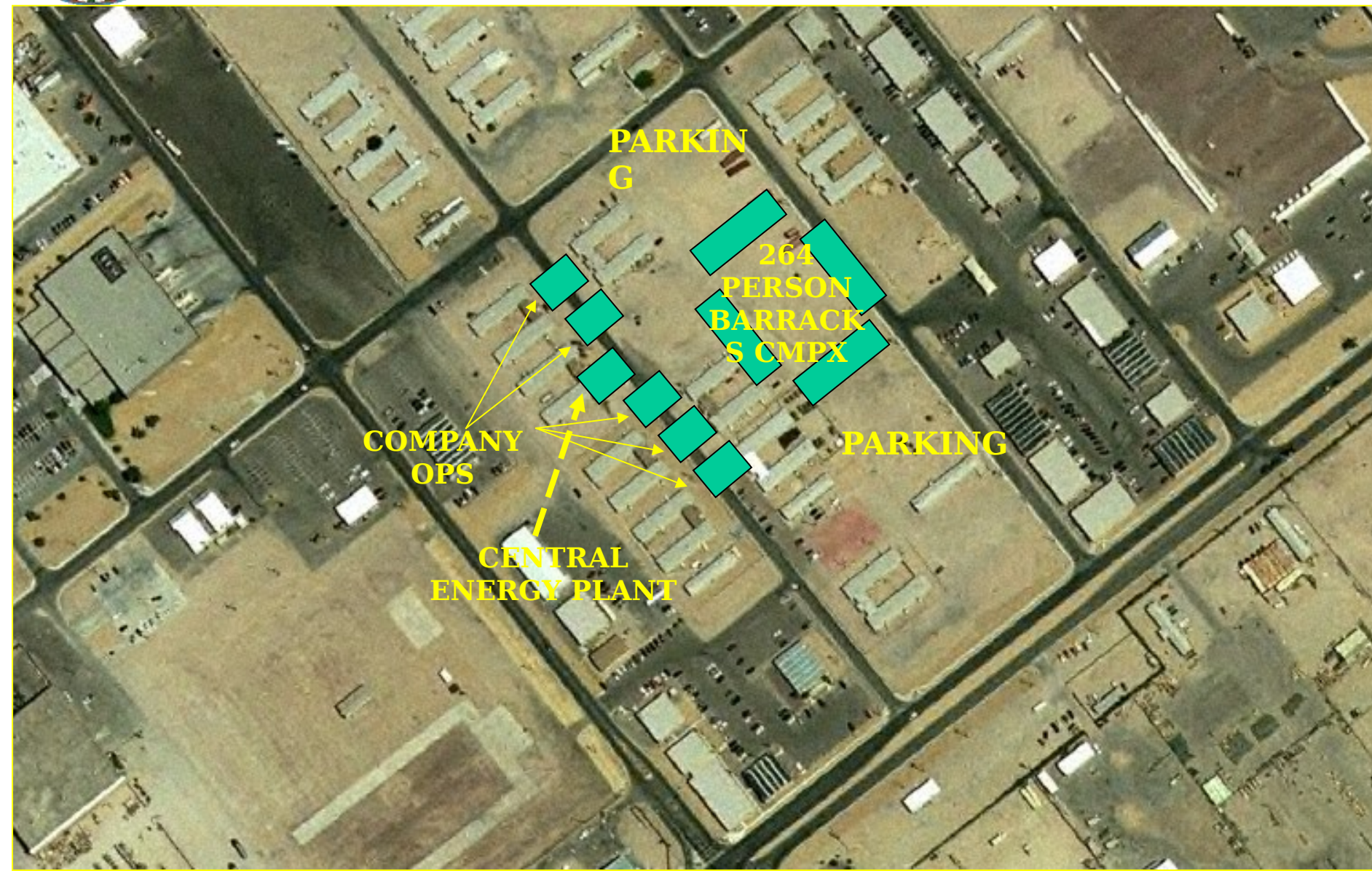
POM 06-11		PresBud 05 FYDP	
Spaces	PA	FY	PA
264	39,000	2007	30,000





Fort Irwin

Partial Plan - PN 53473 - incl. COFs outside this view





Fort Lewis

Complex	Proj No.	Description	Ph	POM 06-11	
				Spaces	PA
Jackson Avenue	53637	Barracks - Jackson Ave & Evergreen St	2	239	50,000
75th Ranger	55197	Barracks Complex - 3rd Division Dr	1	228	33,000
3rd Bde Area	57437	Barracks Complex - Stryker Drive	1	200	47,000
Jackson Avenue	59555	Barracks Complex - 160th SOAR	3	330	39,000



1995 Barracks



Recent Barracks

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Fort Lewis



Battalion HQ



Duplex
Company Opns

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Fort Lewis



Brigade HQ

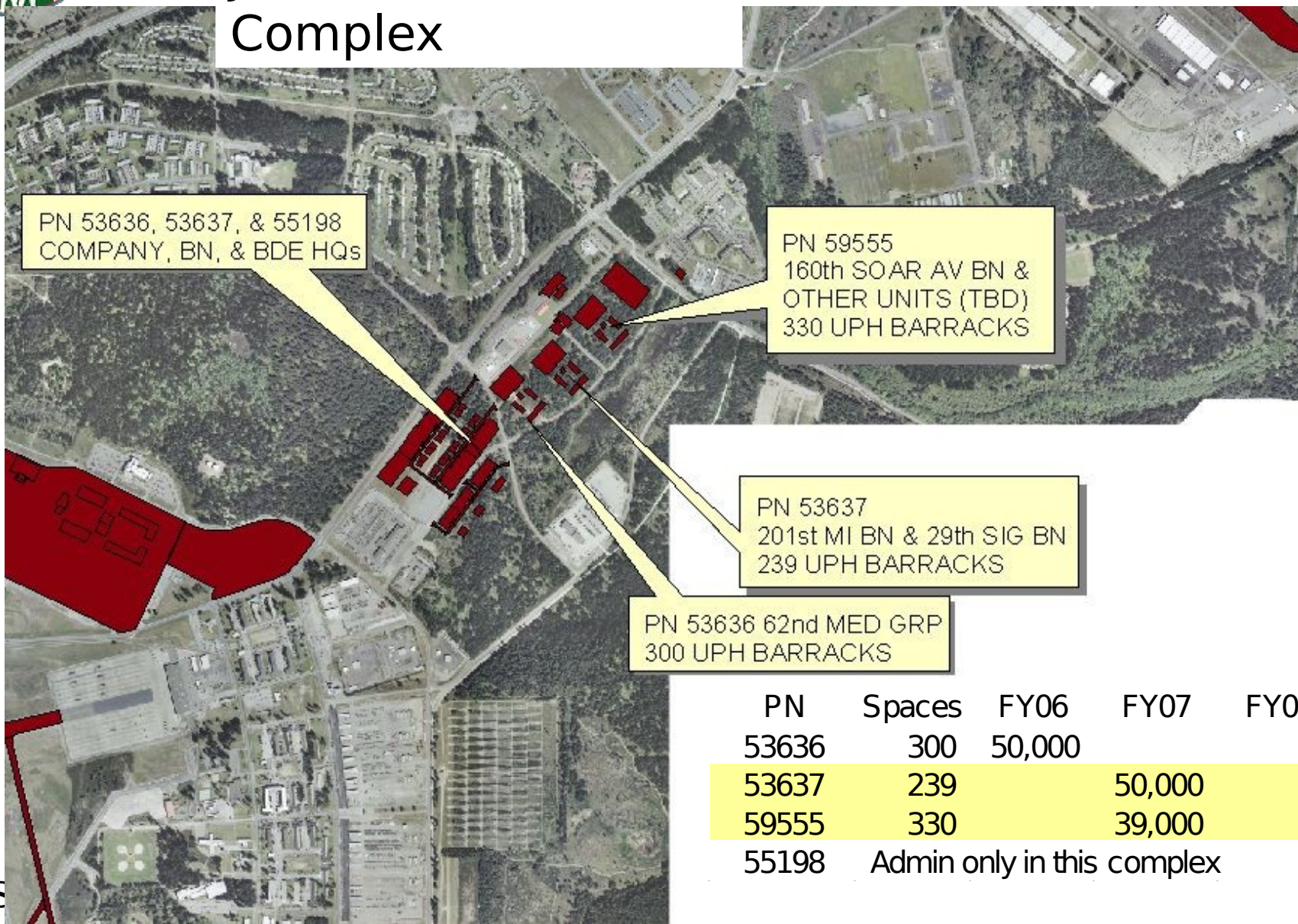


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Fort Lewis

Jackson Ave. Complex



PN 53636, 53637, & 55198
COMPANY, BN, & BDE HQs

PN 59555
160th SOAR AV BN &
OTHER UNITS (TBD)
330 UPH BARRACKS

PN 53637
201st MI BN & 29th SIG BN
239 UPH BARRACKS

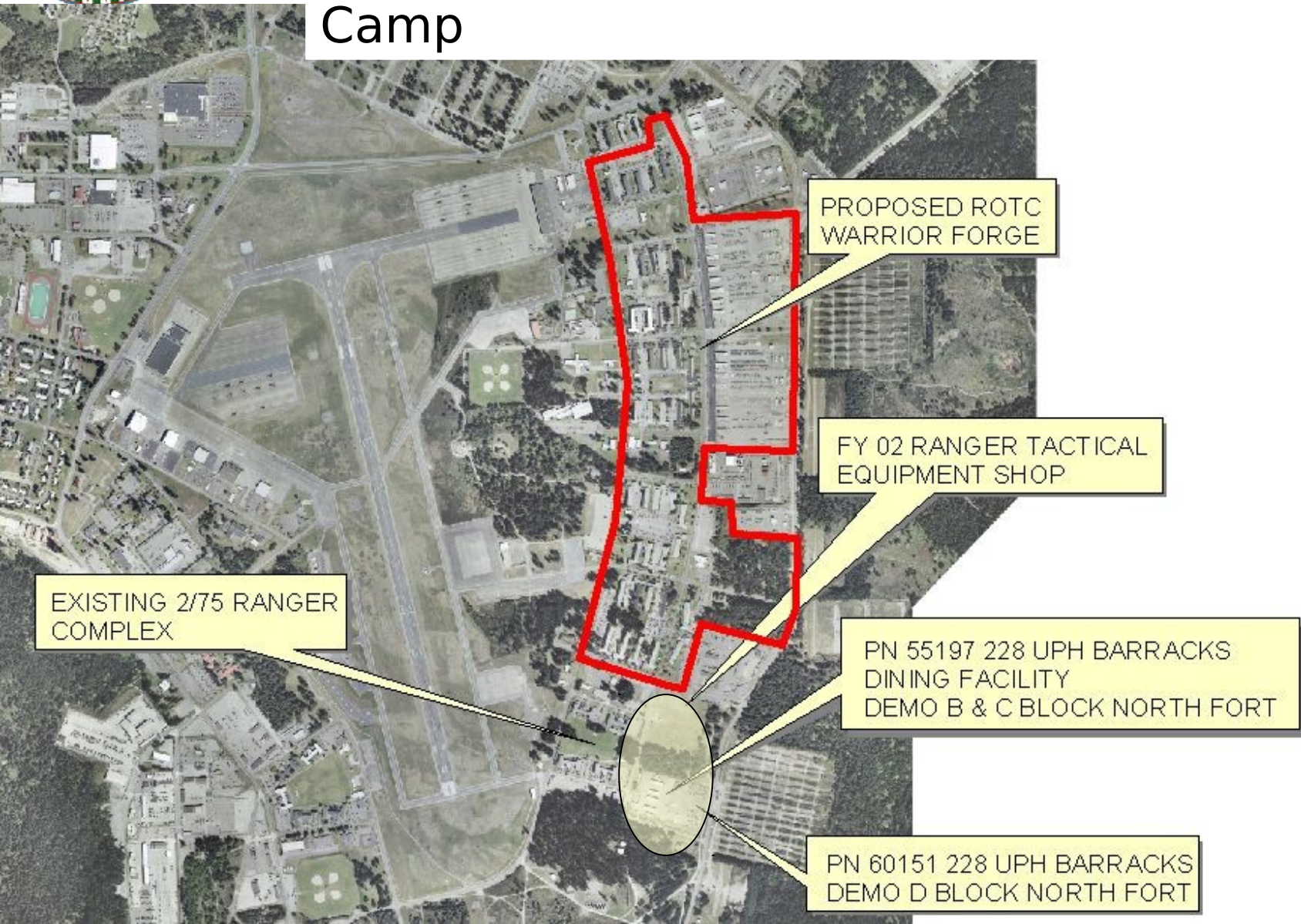
PN 53636 62nd MED GRP
300 UPH BARRACKS

PN	Spaces	FY06	FY07	FY08
53636	300	50,000		
53637	239		50,000	
59555	330		39,000	
55198	Admin only in this complex			



Fort Lewis

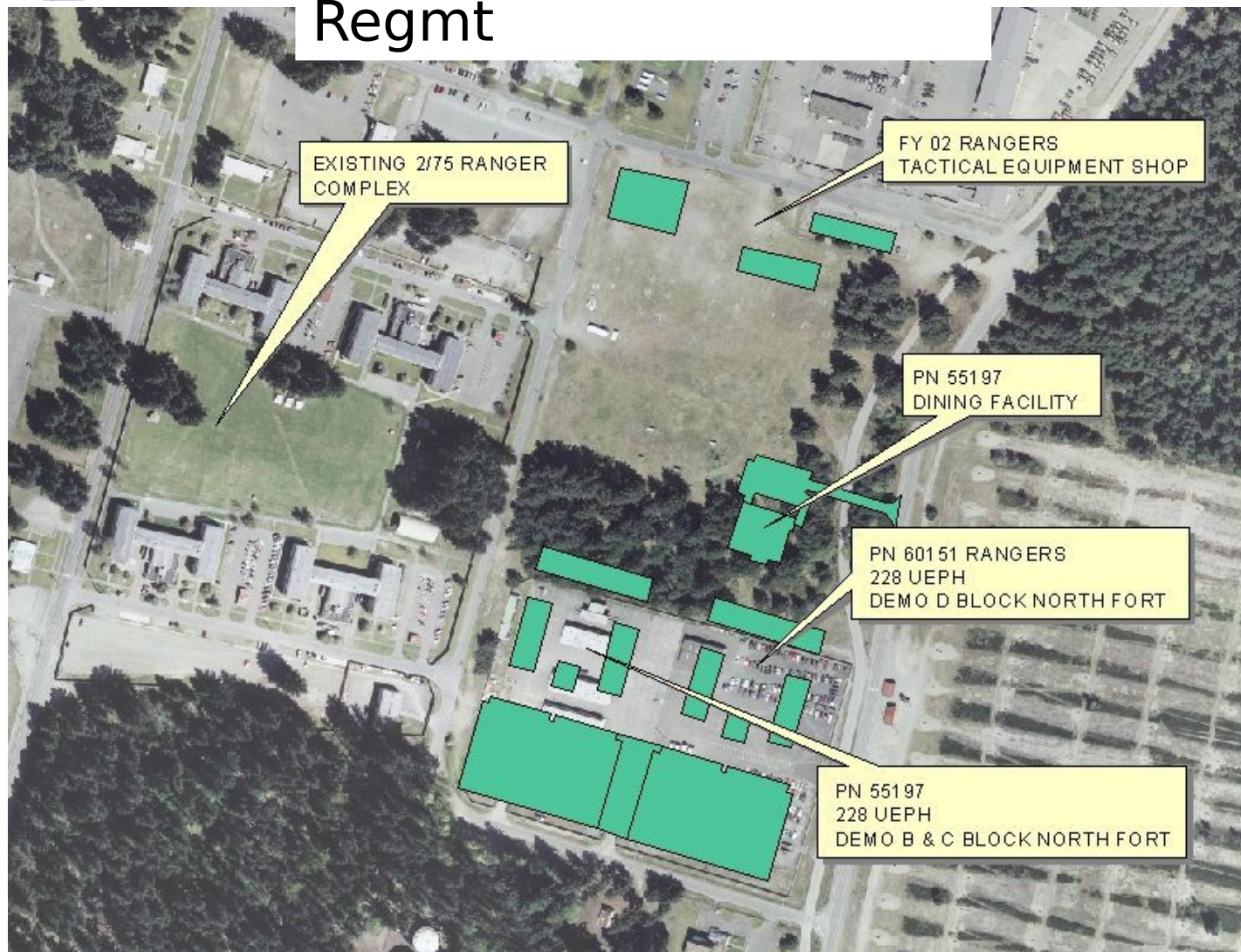
2nd Bn 75th Ranger Regmt + New ROTC Camp





Fort Lewis

2nd Bn 75th Ranger
Regmt



Also
demolishes
North Ft. Lewis
WWII wood



Fort Lewis

2nd Bn 75th Ranger

Regt





Fort Lewis

2nd Bn 75th Ranger
Regmt



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Schofield

Complex	Proj No.	Description	Ph	POM 06-11	
				Spaces	PA
I, J, K Quad Replace	58294	Barracks Complex		Admin	46,000
Wheeler Army Airfield	50950	Barracks Complex		192	40,000
D Quad	52267	Barracks Complex	1	150	50,000
D Quad	52269	Barracks Complex	2	150	40,000
2nd Brigade	59557	Barracks Complex		320	43,000
SBCT	61873	Barracks Complex		120	46,000

Revite
Historic F
Quad



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2400001MA



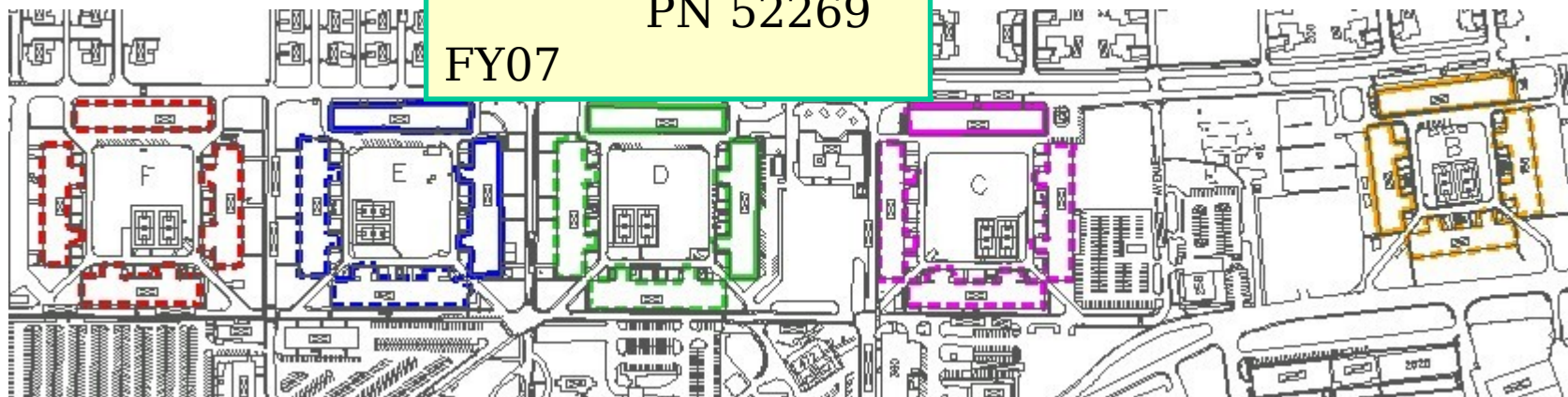
Schofield Barracks

Revite/Modernize Historic B, C, D, E & F Quads

Quad F PN 52265 FY06
& OMA BUP

Quad D PN 52267
FY06

Quad B PN 52264 FY06
PN 57394 FY06



PN 52269

FY07

Quad E PN 52268
FY04
PN 52263
FY05

Quad C PN 52068 FY03
& OMA BUP



Schofield Barracks

Replace Historic I, J, K Quads

- * Barracks - 1,180 spaces
- Dining Facility
- 30 Company Ops Facilities
- 8 Battalion HQ
- 2 Brigade HQ
- DIVARTY Training Facility
- Units Assigned:
 - * 45th Spt Group (Fwd)
 - 25th Division Artillery
 - 1/62 Air Defense Arty
 - 65th Eng Bn



FY00 ■ PN 46902 / 52214 /

FY03 ■ 48782

FY0 ■ PN 48783

FY0 ■ PN 48784

FY0 ■ PN 48785

FY0 ■ PN 57035

7 ■ PN 58294

40 of 56

240800MA

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Schofield Barracks

Replace Historic I, J, K

Quads

FY00 3 projects
Complete Sep
04





Camp

Complex	Proj No.	Description
Camp Humphreys	58742	Barracks Complex
Camp Humphreys	58242	Barracks Complex
Camp Humphreys	58784	Barracks Complex

POM 06-11	
Spaces	PA
464	35,000
348	30,000
464	37,000



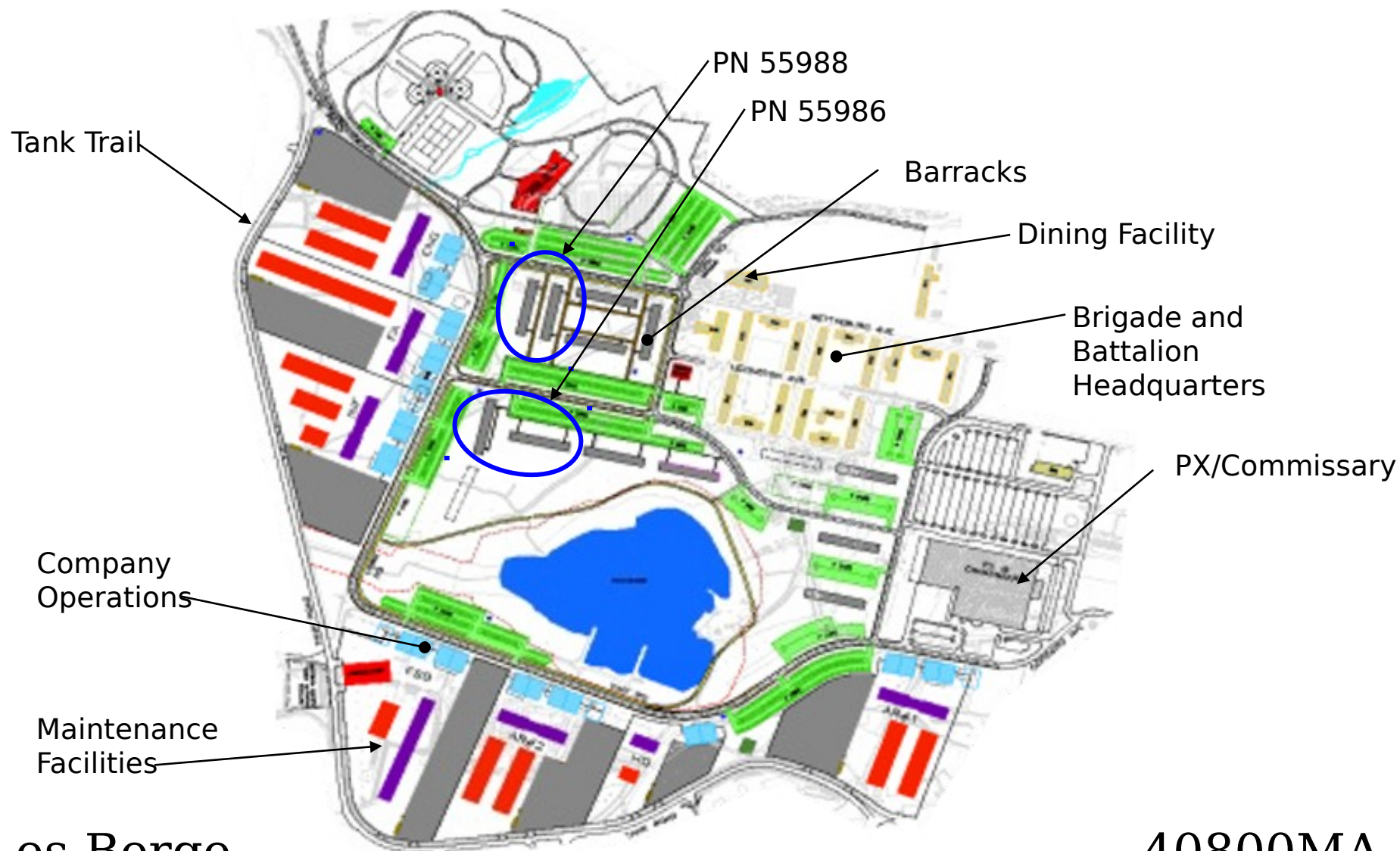
- Modified 2+2
std
2-Pn room
w/bath
- Photo –
similar, except
6-8 stories

Casey/Hovey Enclave

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Grafenwoehr Efficient Basing-



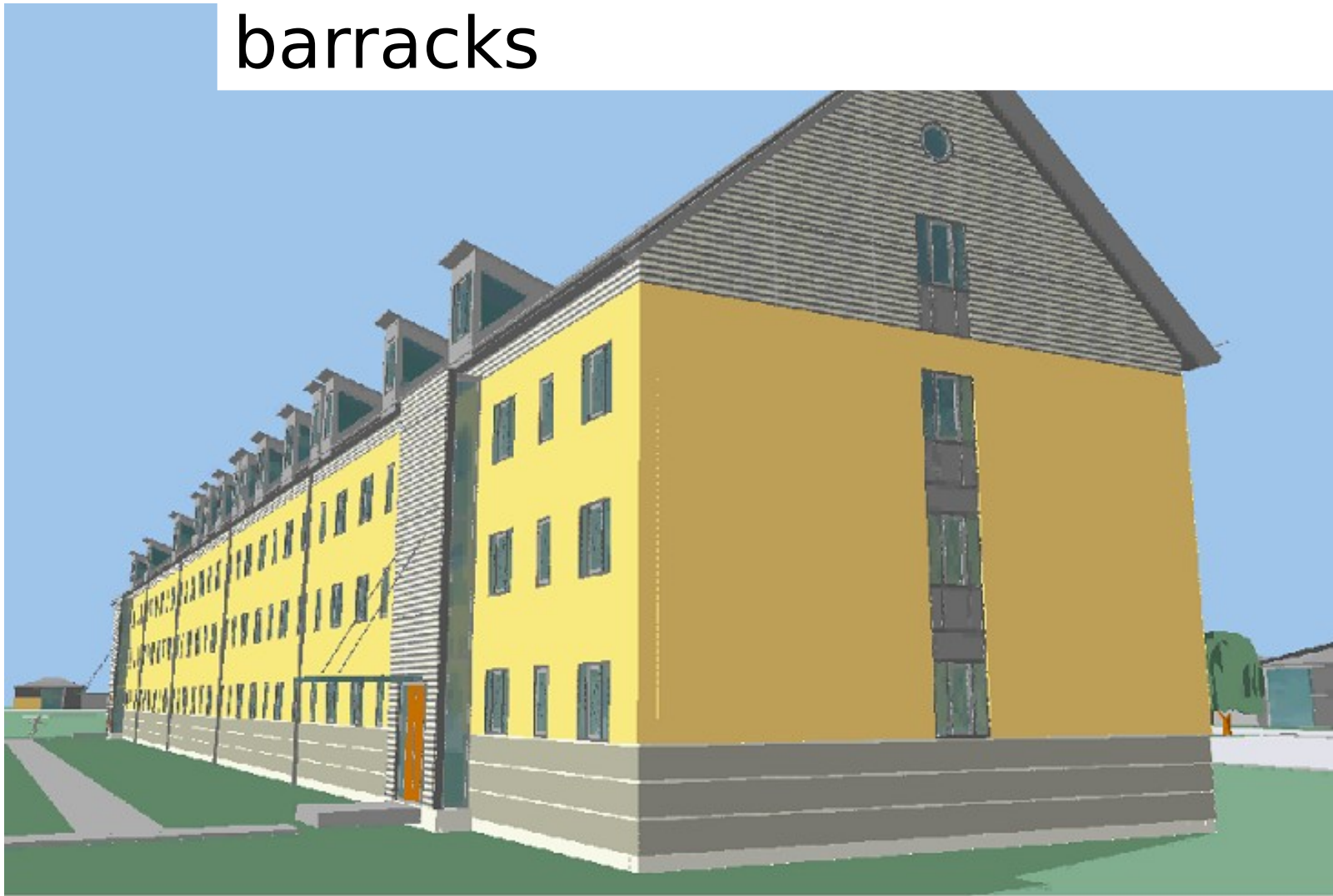
Les Berge, DAM 1000, 0,

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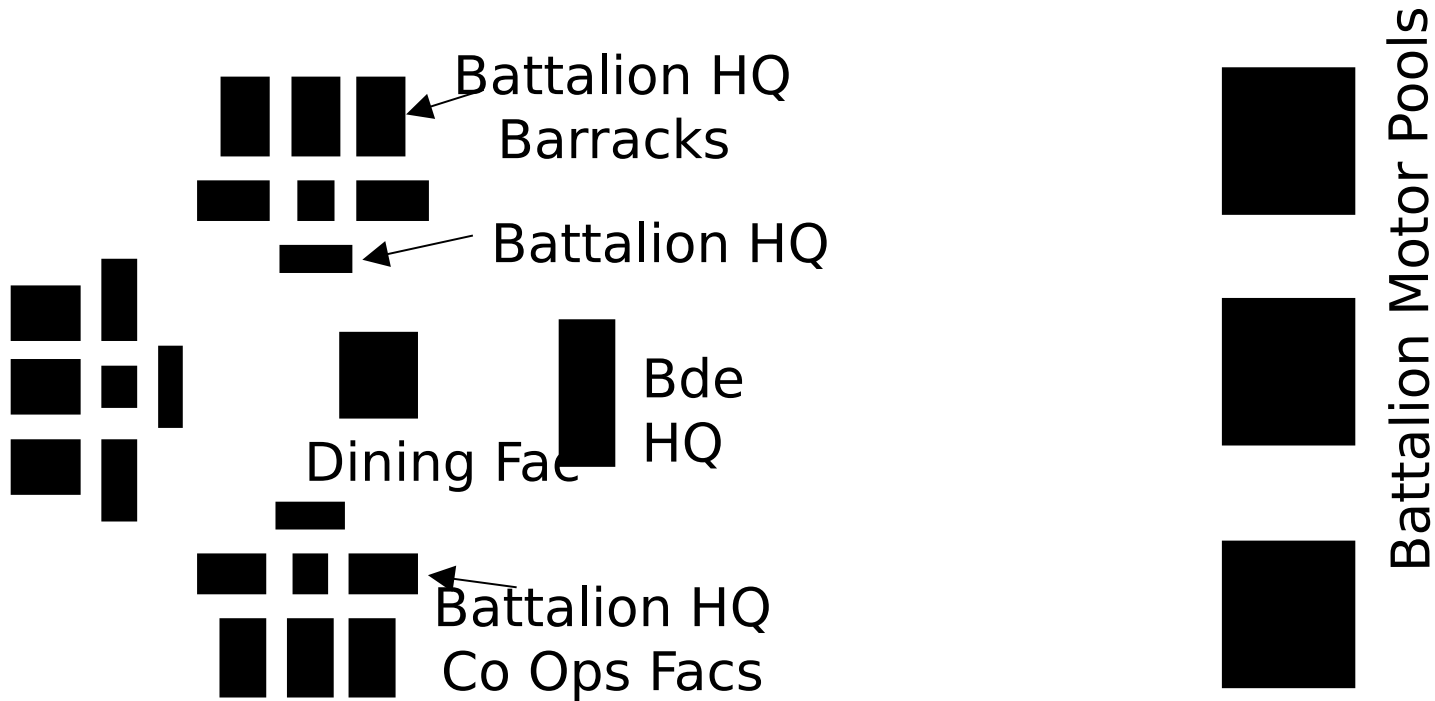
Germany

150-Person, 2-company std barracks





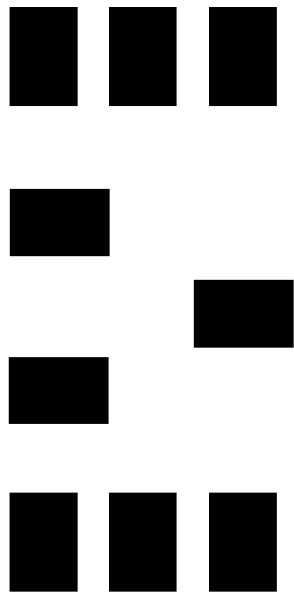
Current Brigade Complex





Whole Barracks Renewal Program

Future Brigade Complex Layout



Barracks

Bde/UA & Bn HQs



Dining Fac



3rd Bn COFs



1st Bn COFs



Bde/UA Motor Pool

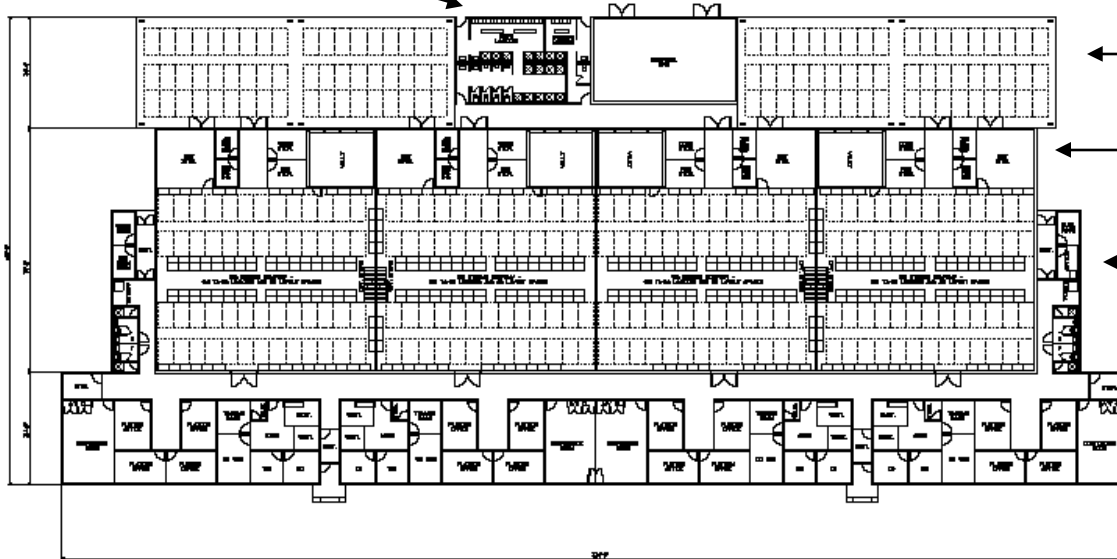
2nd Bn COFs





New COF Standard Design Linear Option with Integral Admin

Latrines & Showers



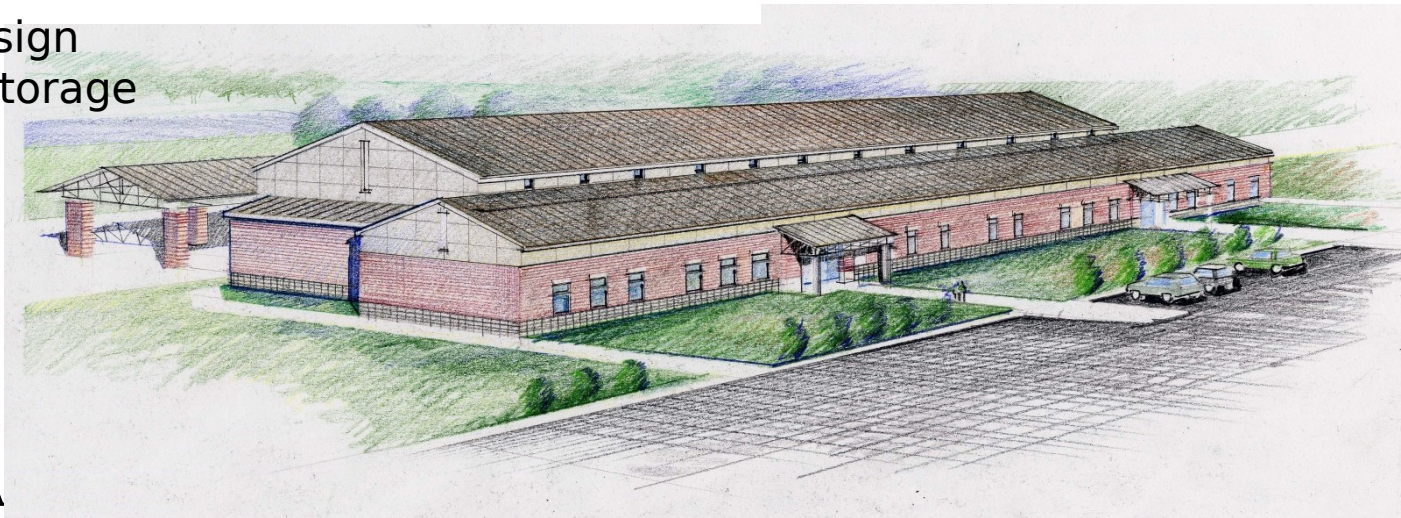
**Exterior Covered
Maintenance
Area**

**Modular Arms Vaults &
Supply**

**Readiness
Module**

**Admin
Module 3
to 6
companies**

- Battalion-Centric Design
- Increased, Flexible Storage
- Economical, Flexible Construction



Les Bergen, DA



Whole Barracks Renewal Program

Changes in Barracks Standards -

	1996 Standard 1+1 Module	2003 Standard 1+1 Enhanced Module
Private living/sleeping room	118 SF	Min 140 SF, Max 183 SF
Cooking facilities in module	Microwave oven	Stove or cook top and microwave oven
Laundry	Central laundry in Soldier Community Bldg (SCB).	Washer and dryer in module, or laundries on each floor
Storage	2 SM (21 SF) closet & bulk storage in SCB	3 SM (32 SF) closet and no bulk storage
Module size	506 SF max	Limited only by OSD gross area limit of 732 SF per module
Building configuration	Large, multi-story buildings (barracks)	Mid-rise, low-rise, garden apartments, town homes, etc.
Construction methods and materials	Military standards (often exceeding building codes)	Industry standards appropriate for the occupancy



Changes to Barracks Construction Practices

Ft. Bragg

Traditional

Exceeds Bldg Codes
Typically over
\$150/SF
Long Construction
Time



Industry

Meets Bldg Codes
\$115/SF or less
Quicker Construction
Time
Lower Life-Cycle Cost



Ft. Meade

240800MA



Operational Readiness Training Complex

Mobilization/Demobilization/Transient Training Support

BRIGADE SIZE TRAINING COMPLEX ~\$130M

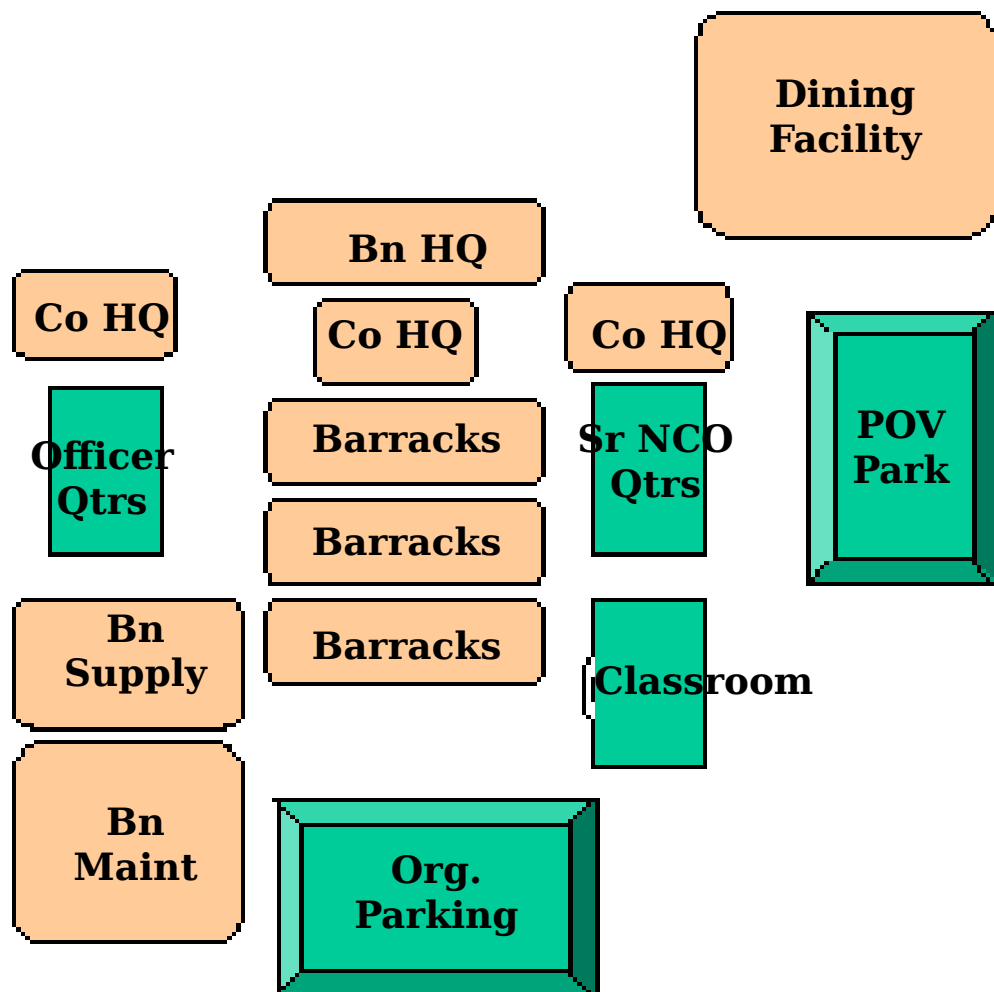
7 Bn's

BATTALION SIZE TRAINING COMPLEX

~\$25M 658 Soldiers

Description

Barracks & Sr Enl Qtrs
Officer Quarters
Dining Facility
Bn HQ
Company HQ
Organizational Classroom
Vehicle Shop
Storage Bldg





Operational Readiness Trng Complex – Bde Draft Plan

